

RED ROOSTER BOOSTER OWNER'S MANUAL

Thank you for choosing the Red Rooster Booster!

Short description:

This is a booster pedal intended for use between a low level instrument such as an electric guitar and an amplifier.

Its intended place in signal chain is last pedals in order to boost level and introduce distortion from input-stage of amplifier following it as well as some of its own. This use of boosters was a popular one before the master volume - high gain amplifiers arrived to get more of the same tone, and pedals like this were sometimes known as overdrives, implying that there is distortion to begin with but an increase in that or overdrive is need.

Here are some typical settings and information on how to get the most out of the RRB.
The unit has only one control.

GAIN: sets the balance between boosted and straight signal.

A good starting point for this control is center (twelve o'clock), for a healthy boost of about 20 dB (ten times).

Most used settings for booster function are between 11 o'clock to 1 o'clock

Please remember that RRB has a lot of gain on tap as it is intended to cause distortion.

Turning Gain knob further pass center will cause distortion from the pedal itself.

The amplifier used in RRB has a gain range of +6dB to approximately 30dB and is in phase with input signal. Unit is fully bypassed and there is no filtering action in audio frequencies; bandwidth is only restricted to avoid radio interference.

If the unit is driven to distortion it will do so with low order distortion. Headroom will be high enough to allow at least 6dB of boost to most overdrive and distortion pedals running at maximum volume, without unit distorting in itself though the input stage of the amplifier might, but as Gain is advanced pedal will at first distort lightly then harder to full square wave.

Application hints: with some bright amps it can be a good thing to limit the high frequency content and let RRB go before a high headroom overdrive for the purpose of this. With other amps RRB might just give the distortion foundation needed to make certain overdrives work.

In situations were amplifier is on the brink of distortion RRB can make amp distort and distortion depth set by gain control. If amplifier is distorting fairly hard, were the use of overdrive pedals or distortion pedals give rise to side effects like limited bandwidth or mushy distortion or separated sounds (distortion riding on top of sound) RRB might be employed and is usually preferred as only pedal. RRB can also be used to driver other pedals like fuzz, overdrive and distortion pedals, if these can take the output from RRB.

Input performance: The unit has high input impedance presenting only a light load to the pickups.

Output performance: The output is designed to work into impedance not lower than 47K, (which would place a serious load on an ordinary guitar).

Power requirements: The unit is designed to work from a 6F22 9V battery contained in the box (you gain access by removing the four bottom screws) CAUTION! Never operate the unit with its bottom removed or damage will most likely occur.

The current-draw is in the approximately 2,8 mA with the pilot LED lit, and 0,4 mA with-out, hence the expected battery life will last about 60 h, in normal use

If sound gets muddy or LED light dim its time to change battery.

About the 5 year limited warranty: Should you for any reason want to claim this then pack the unit well and enclose a description of the fault and a copy of the original receipt, an address were you want it to be sent. Any tampering with the circuit or obvious signs of misuse will void the warranty. Send to manufacturer address (see below).

Don't forget to include the serial number of unit (written in the battery compartment) in any correspondence.

The unit will be repaired or replaced as appropriate at prepaid shipping cost.
Any polite questions will be answered promptly if you send a letter including a stamped, self-addressed envelope, to the manufacturer.

The fastest way to get a reply is always to contact the distributor

This product is distributed by: Custom-Sounds Neulaspolku 3 35100 Orivesi Finland www.custom-sounds.com info@custom-sounds.com	Manufactured by: BJF Electronics Sweden
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RED ROOSTER BOOSTER ELECTRICAL SPECIFICATION

Z in at 1kHz	app. 500K
Pout 1kHz in 220k	app. 9mWRMS
Max load	app. 47K
Max output	5V2 pk-pk (4Vpk-pk undistorted)
Max current consumption	2mA8 at10V
Upper freq. -3dB	app. 10KHz
Max gain at 1KHz	app. 30 dB
Max inputsignal	1V pk-pk before clipping
Suppl. Voltage range	7V5-18V

The manufacturer claims that the above mentioned product fulfils the requirements as set by EN 55 013, EN 55 020, EN 60 555-2 and EN 60 555-3.